

**IN THE CLAIMS**

1-45 (canceled)

46. (previously presented) A purified antibody which binds to an epitope consisting of SEQ ID NO:1 which includes a phosphorylated threonine at position T2609 of human DNA-PKcs, wherein said antibody does not bind to the epitope when T2609 is not phosphorylated.

47. (previously presented) The antibody of claim 46, wherein said antibody is a monoclonal antibody.

48. (previously presented) The antibody of claim 47, wherein said monoclonal antibody is a human monoclonal antibody.